Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Previously presented) A procytotoxin comprising a cytotoxic peptide bound to an inactivator via a peptide bond, wherein said cytotoxic peptide is a pore-forming cytolytic peptide, and wherein said peptide bond is susceptible to cleavage by a targeting specific protease.
- 2. (Original) The procytotoxin of claim 1, wherein said inactivator is selected from the group consisting of a microbead, an amino acid, a peptide, phage and a phage filament.
- 3. (Original) The procytotoxin of claim 1, wherein said inactivator is added to the C-terminus of said cytotoxic peptide.
- 4. (Original) The procytotoxin of claim 1, wherein said targeting specific protease is a matrix metalloprotease.
- 5. (Original) The procytotoxin of claim 1, wherein said targeting specific protease is PSA.
- 6. (Original) The procytotoxin of claim 1, wherein said targeting specific protease is PSMA.
- 7. (Original) The procytotoxin of claim 6, further comprising at least one lysine residue bound via a peptide bond to at least one amino acid via the ε -amino group of said lysine residue.
- 8. (Original) The procytotoxin of claim 1, further comprising a targeting molecule.

- 9. (Original) The procytotoxin of claim 8, wherein said targeting molecule is selected from the group consisting of a molecule that targets the neo-vasculature and an antibody.
- 10. (Original) The procytotoxin of claim 9, wherein said targeting molecule is an RGD targeting sequence.
- 11. (Original) The procytotoxin of claim 9, wherein said targeting molecule is a neo-vascular targeting sequence of an anti-fibronectin ED-B antibody.

12. (Cancelled)

- 13. (Previously presented) The procytotoxin of claim 1, wherein said cytolytic peptide is selected from the group consisting of Ae I, cytolysin of sea anemone, aerolysin, amatoxin, amoebapore, amoebapore homolog from *Entamoeba dispar*, brevinin-1E, brevinin-2E, barbatolysin, cytolysin of *Enterococcus faecalis*, delta hemolysin, diphtheria toxin, El Tor cytolysin of *Vibrio cholerae*, equinatoxin, enterotoxin of *Aeromonas hydrophila*, esculentin, granulysin, haemolysin of *Vibrio parahaemolyticus*, intermedilysin of *Streptococcus intermedius*, the lentivirus lytic peptide, leukotoxin of *Actinobacillus actinomycetemcomitans*, magainin, melittin, membrane-associated lymphotoxin, Metenkephalin, neokyotorphin, neokyotorphin fragment 1, neokyotorphin fragment 2, neokyotorphin fragment 3, neokyotorphin fragment 4, NK-lysin, paradaxin, perforin, perfringolysin O, theta-toxin, of *Clostridium perfringens*, phallolysin, phallotoxin, streptolysin, and D,L-α-amino acid cyclic peptides.
- 14. (Previously presented) The procytotoxin of claim 1, wherein said cytolytic peptide is melittin.
- 15. (Previously presented) The procytotoxin of claim 14, wherein said cytolytic peptide comprises the following structure: Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-[Gln-Gly-Ala-Ile-Gly-Gln-Pro] (residues 1-32 of SEQ ID NOS 1 or 2).

- 16. (Original) The procytotoxin of claim 15, further comprising a targeting molecule.
- 17. (Original) A pharmaceutical composition, comprising one or more procytotoxins of claim 15 and a pharmaceutically suitable carrier or excipient.
- 18. (Previously presented) The procytotoxin of claim 14, wherein said cytolytic peptide comprises the following structure: Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-[Gln- Ser-Ser-Phe(or Tyr)-Tyr-Ser-Gly(or Ser)] (residues 1-32 of SEQ ID NOS 3 or 4).
- 19. (Original) The procytotoxin of claim 18, further comprising a targeting molecule.
- 20. (Original) A pharmaceutical composition, comprising one or more procytotoxins of claim 18 and a pharmaceutically suitable carrier or excipient.
- 21. (Original) A pharmaceutical composition, comprising one or more procytotoxins of claim 1 and a pharmaceutically suitable carrier or excipient.
- 22. (Previously presented) A method for selectively destroying a target cell, comprising contacting the target cell with a procytotoxin, which comprises a cytotoxic peptide bound via a peptide bond to an inactivator, wherein said cytotoxic peptide is a poreforming cytolytic peptide, and wherein said peptide bond is susceptible to cleavage by a targeting specific protease.
- 23. (Original) The method of claim 22, wherein said inactivator is selected from the group consisting of a microbead, an amino acid, a peptide, phage and a phage filament.
- 24. (Original) The method of claim 22, wherein said inactivator is added to the C-terminus of said cytotoxic peptide.
- 25. (Original) The method of claim 22, wherein said targeting specific protease is a matrix metalloprotease.

- 26. (Original) The method of claim 22, wherein said targeting specific protease is a PSA.
- 27. (Original) The method of claim 22, wherein said targeting specific protease is a PMSA.
- 28. (Original) The method of claim 27, wherein said procytotoxin further comprises at least one lysine residue bound via a peptide bond to at least one amino acid via the ε-amino group of said lysine residue.
- 29. (Original) The method of claim 22, wherein said procytotoxin further comprises a targeting molecule.
- 30. (Original) The method of claim 29, wherein said targeting molecule is selected from the group consisting of a molecule that targets the neo-vasculature and an antibody.
- 31. (Original) The method of claim 30, wherein said targeting molecule is an RGD targeting sequence.
- 32. (Original) The method of claim 30, wherein said targeting molecule is a neovascular targeting sequence of an anti-fibronectin ED-B antibody.
 - 33. (Cancelled)
- 34. (Previously presented) The method of claim 22, wherein said cytolytic peptide is selected from the group consisting of Ae I, cytolysin of sea anemone, aerolysin, amatoxin, amoebapore, amoebapore homolog from *Entamoeba dispar*, brevinin-1E, brevinin-2E, barbatolysin, cytolysin of *Enterococcus faecalis*, delta hemolysin, diphtheria toxin, El Tor cytolysin of *Vibrio cholerae*, equinatoxin, enterotoxin of *Aeromonas hydrophila*, esculentin, granulysin, haemolysin of *Vibrio parahaemolyticus*, intermedilysin of *Streptococcus intermedius*, the lentivirus lytic peptide, leukotoxin of *Actinobacillus actinomycetemcomitans*, magainin, melittin, membrane-associated lymphotoxin, Metenkephalin, neokyotorphin, neokyotorphin fragment 1, neokyotorphin fragment 2, neokyotorphin fragment 3, neokyotorphin fragment 4, NK-lysin, paradaxin, perforin,

perfringolysin O, theta-toxin, of *Clostridium perfringens*, phallolysin, phallotoxin, streptolysin, and D,L-α-amino acid cyclic peptides.

- 35. (Previously presented) The method of claim 22, wherein said cytolytic is melittin.
- 36. (Previously presented) The method of claim 35, wherein said cytolytic peptide comprises the following structure: Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-[Gln-Gly-Ala-Ile-Gly-Gln-Pro] (residues 1-32 of SEQ ID NOS 1 or 2).
 - 37. (Original) The method of claim 36, further comprising a targeting molecule.
- 38. (Previously presented) The method of claim 35, wherein said cytolytic peptide comprises the following structure: Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-[Gln-Ser-Ser-Phe(or Tyr)-Tyr-Ser-Gly(or Ser)] (residues 1-32 of SEQ ID NOS 3 or 4).
 - 39. (Original) The method of claim 38, further comprising a targeting molecule.
- 40. (Previously presented) A method of making a procytotoxin, comprising modifying a cytotoxic peptide to include an inactivator wherein said cytotoxic peptide is a pore-forming cytolytic peptide.
- 41. (Original) The method of claim 40, wherein said inactivator is selected from the group consisting of a microbead, an amino acid, a peptide, phage and a phage filament.
- 42. (Original) The method of claim 40, wherein said inactivator is added to the C-terminus of said cytotoxic peptide.
- 43. (Original) The method of claim 40, wherein said targeting specific protease is a matrix metalloprotease.
- 44. (Original) The method of claim 40, wherein said targeting specific protease is a PSA.

- 45. (Original) The method of claim 40, wherein said targeting specific protease is a PMSA.
- 46. (Original) The method of claim 45, wherein said procytotoxin further comprises at least one lysine residue bound via a peptide bond to at least one amino acid via the ε-amino group of said lysine residue.
- 47. (Original) The method of claim 40, wherein said procytotoxin further comprises a targeting molecule.
- 48. (Original) The method of claim 47, wherein said targeting molecule is selected from the group consisting of a molecule that targets the neo-vasculature and an antibody.
- 49. (Original) The method of claim 48, wherein said targeting molecule is an RGD targeting sequence.
- 50. (Original) The method of claim 48, wherein said targeting molecule is a neovascular targeting sequence of an anti-fibronectin ED-B antibody.
 - 51. (Cancelled)
- 52. (Previously presented) The method of claim 40, wherein said cytolytic peptide is selected from the group consisting of Ae I, cytolysin of sea anemone, aerolysin, amatoxin, amoebapore, amoebapore homolog from *Entamoeba dispar*, brevinin-1E, brevinin-2E, barbatolysin, cytolysin of *Enterococcus faecalis*, delta hemolysin, diphtheria toxin, El Tor cytolysin of *Vibrio cholerae*, equinatoxin, enterotoxin of *Aeromonas hydrophila*, esculentin, granulysin, haemolysin of *Vibrio parahaemolyticus*, intermedilysin of *Streptococcus intermedius*, the lentivirus lytic peptide, leukotoxin of *Actinobacillus actinomycetemcomitans*, magainin, melittin, membrane-associated lymphotoxin, Metenkephalin, neokyotorphin, neokyotorphin fragment 1, neokyotorphin fragment 2, neokyotorphin fragment 3, neokyotorphin fragment 4, NK-lysin, paradaxin, perforin, perfringolysin O, theta-toxin, of *Clostridium perfringens*, phallolysin, phallotoxin, streptolysin, and D,L-α-amino acid cyclic peptides.

- 53. (Previously presented) The method of claim 40, wherein said cytolytic peptide is melittin.
- 54. (Previously presented) A method of making a procytotoxin, comprising modifying a cytotoxic peptide to include an inactivator, wherein said cytotoxic peptide is a pore-forming cytolytic peptide and wherein said pore-forming cytolytic peptide comprises the following structure: Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-[Gln-Gly-Ala-Ile-Gly-Gln-Pro] (residues 1-32 of SEQ ID NOS 1 or 2).
- 55. (Original) The method of claim 54, further comprising adding a targeting molecule to said procytotoxin.
- 56. (Original) The method of claim 55, further comprising adding a targeting molecule to said procytotoxin.
- 57. (Previously presented) The method of claim 53, wherein said cytolytic peptide comprises the following structure: Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-[Gln- Ser-Ser-Phe(or Tyr)-Tyr-Ser-Gly(or Ser)] (residues 1-32 of SEQ ID NOS 3 or 4).
 - 58. (Original) The method of claim 40, wherein said target cell is a cancer cell.
- 59. (Original) The method of claim 58 wherein said cancer cell is selected from the group consisting of prostate, ovarian, breast, skin, lung and pancreas.
- 60. (Original) A method of treating a cancer patient, comprising administering a therapeutically effective amount of the pharmaceutical composition of claim 21.